SEQUENCE LISTING

<110> American Home Products Corporation
Evans, Mark
Scicchitano, Marshall
Bapat, Ashok
Beer, Eric
Bhat, Ramesh
Ferris, Elissa
Mastroeni, Rob
Zhang, Jianxiong
Karathanasis, Sotirios K.

<120> A Novel Member of the Lysyl Oxidase Gene Family

<130> 0630/1G703-US2

<140> TBA
<141> Concurrently Herewith

<150> 60/223,763
<151> 2000-08-08

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<151> 2000-12-15

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<170> FastSEQ for Windows Version 3.0

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<211> 756
<212> PRT
<213> Human

<400> 2

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Arg Leu Val Gly Pro Glu Ser Lys Pro Glu Glu Gly Arg Leu Glu Val
        35                  40                  45
Leu His Gln Gly Gln Trp Gly Thr Val Cys Asp Asp Asn Phe Ala Ile
    50                  55                  60
Gln Glu Ala Thr Val Ala Cys Arg Gln Leu Gly Phe Glu Ala Ala Leu
65                  70                  75                  80
Thr Trp Ala His Ser Ala Lys Tyr Gly Gln Gly Glu Gly Pro Ile Trp
                85                  90                  95
Leu Asp Asn Val Arg Cys Val Gly Thr Glu Ser Ser Leu Asp Gln Cys
            100                 105                 110
Gly Ser Asn Gly Trp Gly Val Ser Asp Cys Ser His Ser Glu Asp Val
        115                 120                 125
Gly Val Ile Cys His Pro Arg Arg His Arg Gly Tyr Leu Ser Glu Thr
    130                 135                 140
Val Ser Asn Ala Leu Gly Pro Gln Gly Arg Arg Leu Glu Glu Val Arg
145                 150                 155                 160
Leu Lys Pro Ile Leu Ala Ser Ala Lys Gln His Ser Pro Val Thr Glu
                165                 170                 175
Gly Ala Val Glu Val Lys Tyr Glu Gly His Trp Arg Gln Val Cys Asp
            180                 185                 190
Gln Gly Trp Thr Met Asn Asn Ser Arg Val Val Cys Gly Met Leu Gly
        195                 200                 205
Phe Pro Ser Glu Val Pro Val Asp Ser His Tyr Tyr Arg Lys Val Trp
    210                 215                 220
Asp Leu Lys Met Arg Asp Pro Lys Ser Arg Leu Lys Ser Leu Thr Asn
225                 230                 235                 240
Lys Asn Ser Phe Trp Ile His Gln Val Thr Cys Leu Gly Thr Glu Pro
                245                 250                 255
His Met Ala Asn Cys Gln Val Gln Val Ala Pro Ala Arg Gly Lys Leu
            260                 265                 270
Arg Pro Ala Cys Pro Gly Gly Met His Ala Val Val Ser Cys Val Ala
        275                 280                 285
Gly Pro His Phe Arg Pro Pro Lys Thr Lys Pro Gln Arg Lys Gly Ser
    290                 295                 300
Trp Ala Glu Glu Pro Arg Val Arg Leu Arg Ser Gly Ala Gln Val Gly
305                 310                 315                 320
Glu Gly Arg Val Glu Val Leu Met Asn Arg Gln Trp Gly Thr Val Cys
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Asp His Arg Trp Asn Leu Ile Ser Ala Ser Val Val Cys Arg Gln Leu
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Gly Phe Gly Ser Ala Arg Glu Ala Leu Phe Gly Ala Arg Leu Gly Gln
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Gly Leu Gly Pro Ile His Leu Ser Glu Val Arg Cys Arg Gly Tyr Glu
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385                 390                 395                 400
Gln His Glu Asn Ala Ala Ala Val Arg Cys Asn Val Pro Asn Met Gly
                405                 410                 415
Phe Gln Asn Gln Val Arg Leu Ala Gly Gly Arg Ile Pro Glu Glu Gly
            420                 425                 430
Leu Leu Glu Val Gln Val Glu Val Asn Gly Val Pro Arg Trp Gly Ser
        435                 440                 445
Val Cys Ser Glu Asn Trp Gly Leu Thr Glu Ala Met Val Ala Cys Arg
    450                 455                 460
Gln Leu Gly Leu Gly Phe Ala Ile His Ala Tyr Lys Glu Thr Trp Phe
465                 470                 475                 480
Trp Ser Gly Thr Pro Arg Ala Gln Glu Val Val Met Ser Gly Val Arg
                485                 490                 495
Cys Ser Gly Thr Glu Leu Ala Leu Gln Gln Cys Gln Arg His Gly Pro
            500                 505                 510
Val His Cys Ser His Gly Gly Gly Arg Phe Leu Ala Gly Val Ser Cys
        515                 520                 525
Met Asp Ser Ala Pro Asp Leu Val Met Asn Ala Gln Leu Val Gln Glu
    530                 535                 540
Thr Ala Tyr Leu Glu Asp Arg Pro Leu Ser Gln Leu Tyr Cys Ala His
545                 550                 555                 560
Glu Glu Asn Cys Leu Ser Lys Ser Ala Asp His Met Asp Trp Pro Tyr
                565                 570                 575
Gly Tyr Arg Arg Leu Leu Arg Phe Ser Thr Gln Ile Tyr Asn Leu Gly
            580                 585                 590
Arg Thr Asp Phe Arg Pro Lys Thr Gly Arg Asp Ser Trp Val Trp His
        595                 600                 605
Gln Cys His Arg His Tyr His Ser Ile Glu Val Phe Thr His Tyr Asp
    610                 615                 620
Leu Leu Thr Leu Asn Gly Ser Lys Val Ala Glu Gly His Lys Ala Ser
625                 630                 635                 640
Phe Cys Leu Glu Asp Thr Asn Cys Pro Thr Gly Leu Gln Arg Arg Tyr
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Ala Cys Ala Asn Phe Gly Glu Gln Gly Val Thr Val Gly Cys Trp Asp
            660                 665                 670
Thr Tyr Arg His Asp Ile Asp Cys Gln Trp Val Asp Ile Thr Asp Val
        675                 680                 685
Gly Pro Gly Asn Tyr Ile Phe Gln Val Ile Val Asn Pro His Tyr Glu
    690                 695                 700
Val Ala Glu Ser Asp Phe Ser Asn Asn Met Leu Gln Cys Arg Cys Lys
705                 710                 715                 720
Tyr Asp Gly His Arg Val Trp Leu His Asn Cys His Thr Gly Asn Ser
                725                 730                 735
Tyr Pro Ala Asn Ala Glu Leu Ser Leu Glu Gln Glu Gln Arg Leu Arg
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Asn Asn Leu Ile
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<212> PRT
<213> Human

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            20                  25                  30
Ile Gln Glu Ala Thr Val Ala Cys Arg Gln Leu Gly Phe Glu Ala Ala
        35                  40                  45
Leu Thr Trp Ala His Ser Ala Lys Tyr Gly Gln Gly Glu Gly Pro Ile
    50                  55                  60
Trp Leu Asp Asn Val Arg Cys Val Gly Thr Glu Ser Ser Leu Asp Gln
65                  70                  75                  80
Cys Gly Ser Asn Gly Trp Gly Val Ser Asp Cys Ser His Ser Glu Asp
                85                  90                  95
Val Gly Val Ile Cys His Pro
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<212> PRT
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<400> 4

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            20                  25                  30
Trp Thr Met Asn Asn Ser Arg Val Val Cys Gly Met Leu Gly Phe Pro
        35                  40                  45
Ser Glu Val Pro Val Asp Ser His Tyr Tyr Arg Lys Val Trp Asp Leu
    50                  55                  60
Lys Met Arg Asp Pro Lys Ser Arg Leu Lys Ser Leu Thr Asn Lys Asn
65                  70                  75                  80
Ser Phe Trp Ile His Gln Val Thr Cys Leu Gly Thr Glu Pro His Met
                85                  90                  95
Ala Asn Cys Gln Val Gln Val Ala Pro Ala Arg Gly Lys Leu Arg Pro
            100                 105                 110
Ala Cys Pro Gly Gly Met His Ala Val Val Ser Cys Val
        115                 120                 125
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<212> PRT
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Leu Met Asn Arg Gln Trp Gly Thr Val Cys Asp His Arg Trp Asn Leu
            20                  25                  30
Ile Ser Ala Ser Val Val Cys Arg Gln Leu Gly Phe Gly Ser Ala Arg
        35                  40                  45
Glu Ala Leu Phe Gly Ala Arg Leu Gly Gln Gly Leu Gly Pro Ile His
    50                  55                  60
Leu Ser Glu Val Arg Cys Arg Gly Tyr Glu Arg Thr Leu Ser Asp Cys
65                  70                  75                  80
Pro Ala Leu Glu Gly Ser Gln Asn Gly Cys Gln His Glu Asn Ala Ala
                85                  90                  95
Ala Val Arg Cys Asn
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<213> Human

<400> 6

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            20                  25                  30
Asn Trp Gly Leu Thr Glu Ala Met Val Ala Cys Arg Gln Leu Gly Leu
        35                  40                  45
Gly Phe Ala Ile His Ala Tyr Lys Glu Thr Trp Phe Trp Ser Gly Thr
    50                  55                  60
Pro Arg Ala Gln Glu Val Val Met Ser Gly Val Arg Cys Ser Gly Thr
65                  70                  75                  80
Glu Leu Ala Leu Gln Gln Cys Gln Arg His Gly Pro Val His Cys Ser
                85                  90                  95
His Gly Gly Gly Arg Phe Leu Ala Gly Val Ser Cys Met
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<212> PRT
<213> Human

<400> 7

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            20                  25                  30
Glu Asn Cys Leu Ser Lys Ser Ala Asp His Met Asp Trp Pro Tyr Gly
        35                  40                  45
Tyr Arg Arg Leu Leu Arg Phe Ser Thr Gln Ile Tyr Asn Leu Gly Arg
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Thr Asp Phe Arg Pro Lys Thr Gly Arg Asp Ser Trp Val Trp His Gln
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Cys His Arg His Tyr His Ser Ile Glu Val Phe Thr His Tyr Asp Leu
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Leu Thr Leu Asn Gly Ser Lys Val Ala Glu Gly His Lys Ala Ser Phe
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Cys Leu Glu Asp Thr Asn Cys Pro Thr Gly Leu Gln Arg Arg Tyr Ala
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Cys Ala Asn Phe Gly Glu Gln Gly Val Thr Val Gly Cys Trp Asp Thr
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Tyr Arg His Asp Ile Asp Cys Gln Trp Val Asp Ile Thr Asp Val Gly
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Pro Gly Asn Tyr Ile Phe Gln Val Ile Val Asn Pro His Tyr Glu Val
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180 185 190
Asp Gly His Arg Val Trp Leu His Asn Cys His Thr Gly Asn Ser Tyr
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Asn Leu Ile
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<400> 9
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<210> 11
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<212> DNA
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<223> Oligo primer

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